GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: March 31, 2003, 22:19:55 ; Search time 302 Seconds
(without alignments)
7455.926 Million cell updates/sec

Title: US-09-988-971-1
Perfect score: 2567
Sequence: 1 cccacgcgtccggtcggagc.....aaaaaaaaaaaaaaaaaaaa 2567

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 593429 seqs, 438583890 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : Published_Applications_NA:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	Query Match	Length	DB	ID	Description
	1	868	33.8	875	10	US-09-867-550-1915	Sequence 1915, Ap
	2	786	30.6	786	9	US-10-043-649-1	Sequence 1, Appli
	3	708	27.6	763	10	US-09-867-550-953	Sequence 953, App
	4	348	13.6	444	10	US-09-867-550-951	Sequence 951, App
	5	134	5.2	432	10	US-09-864-761-2829	Sequence 2829, Ap
	6	134	5.2	448	10	US-09-864-761-15513	Sequence 15513, A
	7	96	3.7	96	10	US-09-864-761-19612	Sequence 19612, A
	8	65	2.5	12541	10	US-09-764-877-2184	Sequence 2184, Ap
	9	65	2.5	13467	9	US-09-764-868-1330	Sequence 1330, Ap
	10	65	2.5	13467	9	US-09-764-868-1498	Sequence 1498, Ap
	11	61	2.4	405	10	US-09-908-711-159	Sequence 159, App
	12	61	2.4	418	10	US-09-908-711-57	Sequence 57, Appl
c	13	61	2.4	6186	10	US-09-764-860-1075	Sequence 1075, Ap
	14	61	2.4	6191	9	US-10-092-154-1109	Sequence 1109, Ap
c	15	61	2.4	6191	10	US-09-764-860-1076	Sequence 1076, Ap
c	16	61	2.4	6191	10	US-09-764-860-1077	Sequence 1077, Ap
	17	61	2.4	6191	10	US-09-764-847-1109	Sequence 1109, Ap
	18	61	2.4	6194	9	US-10-092-154-1110	Sequence 1110, Ap
	19	61	2.4	6194	10	US-09-764-847-1110	Sequence 1110, Ap
	20	61	2.4	31994	9	US-09-764-904-71	Sequence 71, Appl
	21	61	2.4	31994	9	US-10-091-548-71	Sequence 71, Appl
	22	61	2.4	31994	10	US-09-764-860-599	Sequence 599, App
	23	61	2.4	81001	9	US-09-842-364-1	Sequence 1, Appli
	24	61	2.4	81001	10	US-09-751-877-1	Sequence 1, Appli
	25	61	2.4	133893	9	US-10-161-510-1	Sequence 1, Appli
	26	60	2.3	8174	10	US-09-863-475A-5	Sequence 5, Appli
c	27	60	2.3	9887	9	US-10-000-639-7	Sequence 7, Appli
c	28	59	2.3	1376	9	US-09-986-480-38	Sequence 38, Appl
	29	59	2.3	11172	9	US-10-079-854-231	Sequence 231, App
	30	59	2.3	11172	10	US-09-764-878-231	Sequence 231, App
	31	59	2.3	24218	9	US-09-860-670-263	Sequence 263, App
	32	59	2.3	32190	9	US-09-860-670-255	Sequence 255, App
	33	59	2.3	32249	9	US-09-860-670-260	Sequence 260, App
c	34	59	2.3	53332	9	US-10-224-562-3	Sequence 3, Appli
c	35	59	2.3	53332	10	US-09-801-861-3	Sequence 3, Appli
	36	59	2.3	116592	10	US-09-818-512-3	Sequence 3, Appli
c	37	59	2.3	145831	10	US-09-969-708-79	Sequence 79, Appl
c	38	59	2.3	145831	10	US-09-954-456-2116	Sequence 2116, Ap
c	39	58	2.3	113	9	US-10-079-854-338	Sequence 338, App
c	40	58	2.3	113	10	US-09-764-878-338	Sequence 338, App
c	41	58	2.3	529	10	US-09-908-711-148	Sequence 148, App
c	42	58	2.3	529	10	US-09-908-711-149	Sequence 149, App
c	43	58	2.3	529	10	US-09-908-711-150	Sequence 150, App
c	44	58	2.3	538	10	US-09-908-711-27	Sequence 27, Appl
c	45	58	2.3	32177	10	US-09-764-877-3251	Sequence 3251, Ap
c	46	58	2.3	326014	10	US-09-731-231A-3	Sequence 3, Appli
c	47	56	2.2	3561	10	US-09-764-877-3448	Sequence 3448, Ap
	48	56	2.2	8742	10	US-09-908-711-147	Sequence 147, App
	49	56	2.2	23106	9	US-09-863-049A-1	Sequence 1, Appli
c	50	53	2.1	298	10	US-09-764-887-427	Sequence 427, App
c	51	53	2.1	298	10	US-09-764-887-429	Sequence 429, App
c	52	53	2.1	339	9	US-09-803-719-249	Sequence 249, App
c	53	53	2.1	1036	9	US-10-079-854-245	Sequence 245, App
c	54	53	2.1	1036	10	US-09-764-878-245	Sequence 245, App
	55	53	2.1	8078	10	US-09-764-864-1778	Sequence 1778, Ap
	56	53	2.1	8078	10	US-09-764-864-1779	Sequence 1779, Ap
c	57	53	2.1	14093	9	US-10-092-154-1744	Sequence 1744, Ap
c	58	53	2.1	14093	10	US-09-764-847-1744	Sequence 1744, Ap
c	59	53	2.1	14962	9	US-10-079-854-244	Sequence 244, App
c	60	53	2.1	14962	10	US-09-764-878-244	Sequence 244, App
c	61	53	2.1	56737	10	US-09-782-378A-17	Sequence 17, Appl
c	62	52	2.0	459	10	US-09-867-701-7361	Sequence 7361, Ap
c	63	52	2.0	2521	9	US-10-091-504-1785	Sequence 1785, Ap
c	64	52	2.0	2521	10	US-09-764-869-1785	Sequence 1785, Ap
	65	52	2.0	74962	9	US-10-274-974-3	Sequence 3, Appli
c	66	51	2.0	15418	9	US-09-995-419A-1	Sequence 1, Appli
c	67	51	2.0	15418	9	US-10-141-220-1	Sequence 1, Appli
c	68	51	2.0	15418	10	US-09-783-203-1	Sequence 1, Appli
c	69	51	2.0	15418	10	US-09-994-427A-1	Sequence 1, Appli
	70	51	2.0	31718	9	US-09-764-872-812	Sequence 812, App
	71	51	2.0	31718	9	US-09-764-872-813	Sequence 813, App
	72	51	2.0	145831	10	US-09-969-708-79	Sequence 79, Appl
	73	51	2.0	145831	10	US-09-954-456-2116	Sequence 2116, Ap
	74	50	1.9	601	10	US-09-820-003A-25	Sequence 25, Appl
c	75	50	1.9	666	9	US-10-001-835-116	Sequence 116, App
c	76	50	1.9	8207	9	US-09-764-872-741	Sequence 741, App
c	77	50	1.9	8207	10	US-09-764-877-2670	Sequence 2670, Ap
	78	50	1.9	14781	10	US-09-764-877-2668	Sequence 2668, Ap
	79	50	1.9	46050	10	US-09-820-003A-3	Sequence 3, Appli
	80	49	1.9	816	9	US-10-040-739-1388	Sequence 1388, Ap
	81	49	1.9	5775	9	US-09-860-670-243	Sequence 243, App
	82	49	1.9	5775	9	US-09-764-904-92	Sequence 92, Appl
	83	49	1.9	5775	9	US-10-091-548-92	Sequence 92, Appl
	84	49	1.9	5775	10	US-09-908-711-161	Sequence 161, App
	85	49	1.9	5775	10	US-09-764-860-1136	Sequence 1136, Ap
	86	49	1.9	5775	10	US-09-764-877-2647	Sequence 2647, Ap
	87	49	1.9	15535	10	US-09-764-877-2855	Sequence 2855, Ap
c	88	49	1.9	41936	10	US-09-967-768A-116	Sequence 116, App
	89	48	1.9	846	9	US-10-001-835-96	Sequence 96, Appl
c	90	48	1.9	2704	10	US-09-745-605-1	Sequence 1, Appli
	91	48	1.9	32188	10	US-09-764-860-799	Sequence 799, App
	92	47	1.8	287	10	US-09-867-701-7005	Sequence 7005, Ap

	93	47	1.8	852	9	US-09-989-920-162	Sequence 162, App
c	94	47	1.8	880	9	US-10-040-739-867	Sequence 867, App
	95	47	1.8	32152	9	US-09-764-872-518	Sequence 518, App
c	96	47	1.8	32152	9	US-10-072-349-328	Sequence 328, App
c	97	47	1.8	32152	10	US-09-764-855-328	Sequence 328, App
	98	47	1.8	32204	9	US-09-764-872-517	Sequence 517, App
c	99	47	1.8	32204	9	US-10-072-349-327	Sequence 327, App
c	100	47	1.8	32204	10	US-09-764-855-327	Sequence 327, App

ALIGNMENTS

RESULT 1
US-09-867-550-1915
; Sequence 1915, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1915
; LENGTH: 875
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)
; OTHER INFORMATION: Wherein n is one of a or t or c or g
US-09-867-550-1915

Query Match 33.8%; Score 868; DB 10; Length 875;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 868; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy    860 GGATCCACTGCCTTGACAATGGCTGGCTGTACATCTCACCGCGCCTCACCTTCCCCTCAC 919
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2 GGATCCACTGCCTTGACAATGGCTGGCTGTACATCTCACCGCGCCTCACCTTCCCCTCAC 61

Qy    920 TCCAGGCCCTGGTGGACCATTACTCTGAGCTGGCGGATGACATCTGCTGCCTACTCAAGG 979
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     62 TCCAGGCCCTGGTGGACCATTACTCTGAGCTGGCGGATGACATCTGCTGCCTACTCAAGG 121

Qy    980 AGCCCTGTGTCCTGCAGAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGTGA 1039
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    122 AGCCCTGTGTCCTGCAGAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGTGA 181

Qy   1040 CTGTGCAGAGGACACCACTCAACTGGAAAGAGCTGGACAGCTCCCTCCTGTTTTCTGAAG 1099
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    182 CTGTGCAGAGGACACCACTCAACTGGAAAGAGCTGGACAGCTCCCTCCTGTTTTCTGAAG 241

Qy   1100 CTGCCACAGGGGAGGAGTCTCTTCTCAGTGAGGGTCTCCGGGAGTCCCTCAGCTTCTACA 1159
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    242 CTGCCACAGGGGAGGAGTCTCTTCTCAGTGAGGGTCTCCGGGAGTCCCTCAGCTTCTACA 301

Qy   1160 TCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATGCCTAGGCCCAAAGGAGAGGCCAAA 1219
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    302 TCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATGCCTAGGCCCAAAGGAGAGGCCAAA 361

Qy   1220 AGCGAAACCAAGGCTGCACACCTAGAACCCCAATTCAGCCTCCTGGGCACCCCAGAGGCA 1279
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    362 AGGGAAACCAAGGCTGCACACCTAGAACCCCAATTCAGCCTCCTGGGCACCCCAGAGGCA 421

Qy   1280 AGGCTGTGCACTCAGGGAGGGAGGGTGGGACACAGAGGTGCATCTAGGGTCCCACCTGTA 1339
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    422 AGGCTGTGCACTCAGGGAGGGAGGGTGGGACACAGAGGTGCATCTAGGGTCCCACCTGTA 481

Qy   1340 CCCTTGCTCTTTCCTCTCTTAGCCCTTAGAAGTCACCTACTTCCTTCCAGTGCCATGATC 1399
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    482 CCCTTGCTCTTTCCTCTCTTAGCCCTTAGAAGTCACCTACTTCCTTCCAGTGCCATGATC 541

Qy   1400 CCACCTGCGACCTCTAGTGCGAGTGCAGAGAAGGTGGGACCAGGGCCAGGGTTCCAAAAA 1459
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    542 CCACCTGCGACCTCTAGTGCGAGTGCAGAGAAGGTGGGACCAGGGCCAGGGTTCCAAAAA 601

Qy   1460 GAGAATAAGCCTCCTGGGGGGTCTGACCTAGTTAGTTCTTGAGTTTGGGGTTTCCAGTAC 1519
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    602 GAGAATAAGCCTCCTGGGGGGTCTGACCTAGTTAGTTCTTGAGTTTGGGGTTTCCAGTAC 661

Qy   1520 CATCTGGATGCCCTGCCTGTTGAGCCCCATTCTACATCCCCACCATTAACCAGGCCCCAC 1579
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    662 CATCTGGATGCCCTGCCTGTTGAGCCCCATTCTACATCCCCACCATTAACCAGGCCCCAC 721

Qy   1580 CCACAAGGTAGAAACAACCCCTAGAGTCAACGAGAAAGTCATTTTCAGAAAATCTACAAG 1639
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    722 CCACAAGGTAGAAACAACCCCTAGAGTCAACGAGAAAGTCATTTTCAGAAAATCTACAAG 781

Qy   1640 TCTCGTTGAGACCACCACCATACCTCAGAAGGTAGGACTGTGGCCTAGAAGGGAAAGGAA 1699
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    782 TCTCGTTGAGACCACCACCATACCTCAGAAGGTAGGACTGTGGCCTAGAAGGGAAAGGAA 841

Qy   1700 AGCTGAGATGATGTCTTACCGTAGCAGC 1727
          ||||||||||||||||||||||||||||
Db    842 AGCTGAGATGATGTCTTACCGTAGCAGC 869
```

RESULT 2
US-10-043-649-1
; Sequence 1, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Payan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor
; TITLE OF INVENTION: Retroviral-based Functional Screen
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 786
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(786)
; OTHER INFORMATION:
US-10-043-649-1

Query Match 30.6%; Score 786; DB 9; Length 786;
Best Local Similarity 100.0%; Pred. No. 0;

```
  Matches  786;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     415 ATGGGAAGTCTGCCCAGCAGAAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTC 474
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 ATGGGAAGTCTGCCCAGCAGAAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTC 60

Qy     475 CAAGGCCAGGGACCTGTGACCATGGAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTG 534
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 CAAGGCCAGGGACCTGTGACCATGGAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTG 120

Qy     535 GGCAGTTTCCCGGCAGGTGGCCCGGCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACC 594
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 GGCAGTTTCCCGGCAGGTGGCCCGGCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACC 180

Qy     595 ATCGTCTCTGAGGATGGAGACTGGTGGACGGTGCTGTCTGAAGTCTCAGGCAGAGAGTAT 654
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 ATCGTCTCTGAGGATGGAGACTGGTGGACGGTGCTGTCTGAAGTCTCAGGCAGAGAGTAT 240

Qy     655 AACATCCCCAGCGTCCACGTGGCCAAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGAGC 714
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 AACATCCCCAGCGTCCACGTGGCCAAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGAGC 300

Qy     715 AGGGAGAAAGCAGAGGAACTGCTGTTGTTACCTGGGAACCCTGGAGGGGCCTTCCTCATC 774
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     301 AGGGAGAAAGCAGAGGAACTGCTGTTGTTACCTGGGAACCCTGGAGGGGCCTTCCTCATC 360

Qy     775 CGGGAGAGCCAGACCAGGAGAGGCTCTTACTCTCTGTCAGTCCGCCTCAGCCGCCCTGCA 834
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     361 CGGGAGAGCCAGACCAGGAGAGGCTCTTACTCTCTGTCAGTCCGCCTCAGCCGCCCTGCA 420

Qy     835 TCCTGGGACCGGATCAGACACTACAGGATCCACTGCCTTGACAATGGCTGGCTGTACATC 894
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     421 TCCTGGGACCGGATCAGACACTACAGGATCCACTGCCTTGACAATGGCTGGCTGTACATC 480

Qy     895 TCACCGCGCCTCACCTTCCCCTCACTCCAGGCCCTGGTGGACCATTACTCTGAGCTGGCG 954
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     481 TCACCGCGCCTCACCTTCCCCTCACTCCAGGCCCTGGTGGACCATTACTCTGAGCTGGCG 540

Qy     955 GATGACATCTGCTGCCTACTCAAGGAGCCCTGTGTCCTGCAGAGGGCTGGCCCGCTCCCT 1014
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     541 GATGACATCTGCTGCCTACTCAAGGAGCCCTGTGTCCTGCAGAGGGCTGGCCCGCTCCCT 600

Qy    1015 GGCAAGGATATACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGGAAAGAGCTG 1074
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     601 GGCAAGGATATACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGGAAAGAGCTG 660

Qy    1075 GACAGCTCCCTCCTGTTTTCTGAAGCTGCCACAGGGGAGGAGTCTCTTCTCAGTGAGGGT 1134
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     661 GACAGCTCCCTCCTGTTTTCTGAAGCTGCCACAGGGGAGGAGTCTCTTCTCAGTGAGGGT 720

Qy    1135 CTCCGGGAGTCCCTCAGCTTCTACATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGAT 1194
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     721 CTCCGGGAGTCCCTCAGCTTCTACATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGAT 780

Qy    1195 GCCTAG 1200
           ||||||
Db     781 GCCTAG 786


RESULT 3
US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
;  APPLICANT: Leach, Martin D.
;  APPLICANT:  Mehraban, Fuad,
;  APPLICANT:  Conley, Pamela
;  APPLICANT:  Law, Debbie
;  APPLICANT:  Topper, James
;  TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
;  TITLE OF INVENTION:  Thereby
;  FILE REFERENCE: 21402-013 (Cura-313)
;  CURRENT APPLICATION NUMBER: US/09/867,550
;  CURRENT FILING DATE:  2001-09-20
;  PRIOR APPLICATION NUMBER: USSN 60/208,427
;  PRIOR FILING DATE: 2000-05-30
;  NUMBER OF SEQ ID NOS: 2125
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 953
;   LENGTH: 763
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-867-550-953

  Query Match             27.6%;  Score 708;  DB 10;  Length 763;
  Best Local Similarity   99.9%;  Pred. No. 0;
  Matches  758;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy     134 GGAGCATGGGGCAGCTGATCCATCCCTGGTGTACAAACTGCTGACTGCAGACAGATGCTG 193
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5 GGAGCATGGGGCAGCTGATCCATCCCTGGTGTACAAACTGCTGACTGCAGACAGATGCTG 64

Qy     194 AGCTACCCAAACCAACACCTAGCCTCTCCCTGAAGATCCTCCCAGGCTGAGAGAGTTCTG 253
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      65 AGCTACCCAAACCAACACCTAGCCTCTCCCTGAAGATCCTCCCAGGCTGAGAGAGTTCTG 124

Qy     254 GGTGTCCTAGGACCAAGGACACTGGCAGACTTCCAGAAGGGCCCCCAAAGCCCTAACCTG 313
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     125 GATGTCCTAGGACCAAGGACACTGGCAGACTTCCAGAAGGGCCCCCAAAGCCCTAACCTG 184

Qy     314 TCCAGCCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAAT 373
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     185 TCCAGCCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAAT 244

Qy     374 TTCCCTCGATGATGTGCTTCTGAGTGCTCTGCTGAGGAACAATGGGAAGTCTGCCCAGCA 433
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     245 TTCCCTCGATGATGTGCTTCTGAGTGCTCTGCTGAGGAACAATGGGAAGTCTGCCCAGCA 304

Qy     434 GAAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAGGCCAGGGACCTGTGA 493
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     305 GAAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAGGCCAGGGACCTGTGA 364

Qy     494 CCATGGAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTGGGCAGTTTCCCGGCAGGTG 553
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     365 CCATGGAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTGGGCAGTTTCCCGGCAGGTG 424

Qy     554 GCCCGGCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACCATCGTCTCTGAGGATGGAG 613
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     425 GCCCGGCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACCATCGTCTCTGAGGATGGAG 484

Qy     614 ACTGGTGGACGGTGCTGTCTGAAGTCTCAGGCAGAGAGTATAACATCCCCAGCGTCCACG 673
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     485 ACTGGTGGACGGTGCTGTCTGAAGTCTCAGGCAGAGAGTATAACATCCCCAGCGTCCACG 544

Qy     674 TGGCCAAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGAGCAGGGAGAAAGCAGAGGAAC 733
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     545 TGGCCAAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGAGCAGGGAGAAAGCAGAGGAAC 604

Qy     734 TGCTGTTGTTACCTGGGAACCCTGGAGGGGCCTTCCTCATCCGGGAGAGCCAGACCAGGA 793
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     605 TGCTGTTGTTACCTGGGAACCCTGGAGGGGCCTTCCTCATCCGGGAGAGCCAGACCAGGA 664

Qy     794 GAGGCTCTTACTCTCTGTCAGTCCGCCTCAGCCGCCCTGCATCCTGGGACCGGATCAGAC 853
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     665 GAGGCTCTTACTCTCTGTCAGTCCGCCTCAGCCGCCCTGCATCCTGGGACCGGATCAGAC 724

Qy     854 ACTACAGGATCCACTGCCTTGACAATGGCTGGCTGTACA 892
           ||||||||||||||||||||||||||||||||||||||
Db     725 ACTACAGGATCCACTGCCTTGACAATGGCTGGCTGTACA 763


RESULT 4
US-09-867-550-951
; Sequence 951, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
```

```
;  APPLICANT: Leach, Martin D.
;  APPLICANT:  Mehraban, Fuad,
;  APPLICANT:  Conley, Pamela
;  APPLICANT:  Law, Debbie
;  APPLICANT:  Topper, James
;  TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
;  TITLE OF INVENTION:  Thereby
;  FILE REFERENCE: 21402-013 (Cura-313)
;  CURRENT APPLICATION NUMBER: US/09/867,550
;  CURRENT FILING DATE:  2001-09-20
;  PRIOR APPLICATION NUMBER: USSN 60/208,427
;  PRIOR FILING DATE: 2000-05-30
;  NUMBER OF SEQ ID NOS: 2125
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 951
;   LENGTH: 444
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-867-550-951

  Query Match             13.6%;  Score 348;  DB 10;  Length 444;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-166;
  Matches  348;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    259 CCTAGGACCAAGGACACTGGCAGACTTCCAGAAGGGCCCCCAAAGCCCTAACCTGTCCAG 318
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 CCTAGGACCAAGGACACTGGCAGACTTCCAGAAGGGCCCCCAAAGCCCTAACCTGTCCAG 60

Qy    319 CCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTCCC 378
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 CCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTCCC 120

Qy    379 TCGATGATGTGCTTCTGAGTGCTCTGCTGAGGAACAATGGGAAGTCTGCCCAGCAGAAGA 438
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TCGATGATGTGCTTCTGAGTGCTCTGCTGAGGAACAATGGGAAGTCTGCCCAGCAGAAGA 180

Qy    439 AAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAGGCCAGGGACCTGTGACCATG 498
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 AAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAGGCCAGGGACCTGTGACCATG 240

Qy    499 GAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTGGGCAGTTTCCCGGCAGGTGGCCCG 558
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 GAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTGGGCAGTTTCCCGGCAGGTGGCCCG 300

Qy    559 GCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACCATCGTCTCTGAG 606
        ||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 GCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACCATCGTCTCTGAG 348


RESULT 5
US-09-864-761-2829
; Sequence 2829, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 2829
;   LENGTH: 432
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AL031662.24
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL =   2
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
US-09-864-761-2829

  Query Match             5.2%;  Score 134;  DB 10;  Length 432;
  Best Local Similarity   100.0%;  Pred. No. 7.4e-58;
  Matches  134;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    946 GAGCTGGCGGATGACATCTGCTGCCTACTCAAGGAGCCCTGTGTCCTGCAGAGGGCTGGC 1005
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    270 GAGCTGGCGGATGACATCTGCTGCCTACTCAAGGAGCCCTGTGTCCTGCAGAGGGCTGGC 329

Qy   1006 CCGCTCCCTGGCAAGGATATACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGG 1065
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    330 CCGCTCCCTGGCAAGGATATACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGG 389

Qy   1066 AAAGAGCTGGACAG 1079
        ||||||||||||||
Db    390 AAAGAGCTGGACAG 403


RESULT 6
US-09-864-761-15513
; Sequence 15513, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
```

```
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15513
;   LENGTH: 448
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AL031662.24
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
US-09-864-761-15513

  Query Match             5.2%;  Score 134;  DB 10;  Length 448;
  Best Local Similarity   100.0%;  Pred. No. 7.4e-58;
  Matches  134;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     946 GAGCTGGCGGATGACATCTGCTGCCTACTCAAGGAGCCCTGTGTCCTGCAGAGGGCTGGC 1005
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     286 GAGCTGGCGGATGACATCTGCTGCCTACTCAAGGAGCCCTGTGTCCTGCAGAGGGCTGGC 345

Qy    1006 CCGCTCCCTGGCAAGGATATACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGG 1065
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     346 CCGCTCCCTGGCAAGGATATACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGG 405

Qy    1066 AAAGAGCTGGACAG 1079
           ||||||||||||||
Db     406 AAAGAGCTGGACAG 419


RESULT 7
US-09-864-761-19612
; Sequence 19612, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19612
;   LENGTH: 96
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AL031662.24
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL =   2
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
;   OTHER INFORMATION: NT HIT: AF000716.1, EVALUE 1.70e-01
;   OTHER INFORMATION: EST_HUMAN HIT: AI125308.1, EVALUE 2.10e-01
US-09-864-761-19612

  Query Match             3.7%;  Score 96;  DB 10;  Length 96;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-38;
  Matches   96;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     984 CTGTGTCCTGCAGAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGTGACTGT 1043
```

```
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 CTGTGTCCTGCAGAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGTGACTGT 60

Qy   1044 GCAGAGGACACCACTCAACTGGAAAGAGCTGGACAG 1079
          |||||||||||||||||||||||||||||||||||
Db     61 GCAGAGGACACCACTCAACTGGAAAGAGCTGGACAG 96


RESULT 8
US-09-764-877-2184
; Sequence 2184, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC005
;  CURRENT APPLICATION NUMBER: US/09/764,877
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 4031
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2184
;   LENGTH: 12541
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-877-2184

  Query Match             2.5%;  Score 65;  DB 10;  Length 12541;
  Best Local Similarity   100.0%;  Pred. No. 6.5e-23;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGT 2111
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   4886 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGT 4945

Qy   2112 GTGAG 2116
          |||||
Db   4946 GTGAG 4950


RESULT 9
US-09-764-868-1330
; Sequence 1330, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ32
;  CURRENT APPLICATION NUMBER: US/09/764,868
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1510
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1330
;   LENGTH: 13467
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-868-1330

  Query Match             2.5%;  Score 65;  DB 9;  Length 13467;
  Best Local Similarity   100.0%;  Pred. No. 6.4e-23;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2056 TCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGA 2115
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2566 TCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGA 2625

Qy   2116 GCCAC 2120
          |||||
Db   2626 GCCAC 2630


RESULT 10
US-09-764-868-1498
; Sequence 1498, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ32
;  CURRENT APPLICATION NUMBER: US/09/764,868
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1510
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1498
;   LENGTH: 13467
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-868-1498

  Query Match             2.5%;  Score 65;  DB 9;  Length 13467;
  Best Local Similarity   100.0%;  Pred. No. 6.4e-23;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2056 TCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGA 2115
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2566 TCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGA 2625

Qy   2116 GCCAC 2120
          |||||
Db   2626 GCCAC 2630


RESULT 11
US-09-908-711-159
; Sequence 159, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA128
;  CURRENT APPLICATION NUMBER: US/09/908,711
;  CURRENT FILING DATE:  2001-07-20
;  PRIOR APPLICATION NUMBER: US01/01360
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,867
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01344
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,892
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01345
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,888
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01329
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,905
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01354
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,891
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01339
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,869
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01340
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,874
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01334
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,898
;  PRIOR FILING DATE: 2001-01-17
```

; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01239
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,870
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01348
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,882
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01347
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,896
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01307
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01341
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,856
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01336
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,868
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 159
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-711-159

Query Match 2.4%; Score 61; DB 10; Length 405;
Best Local Similarity 100.0%; Pred. No. 8.6e-21;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     77 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 136

Qy   2110 G 2110
          |
Db    137 G 137
```

RESULT 12
US-09-908-711-57
; Sequence 57, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01329
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,869
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01340
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,874
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01334
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,898
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01239
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,870
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01348
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,882
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01347
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,896
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01307
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01341
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,856
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01336
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,868
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57

```
;   LENGTH: 418
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (367)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (377)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (388)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (415)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-908-711-57

  Query Match             2.4%;  Score 61;  DB 10;  Length 418;
  Best Local Similarity   100.0%;  Pred. No. 8.5e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     96 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 155

Qy   2110 G 2110
          |
Db    156 G 156


RESULT 13
US-09-764-860-1075/c
; Sequence 1075, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC008
;  CURRENT APPLICATION NUMBER: US/09/764,860
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1198
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1075
;   LENGTH: 6186
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-860-1075

  Query Match             2.4%;  Score 61;  DB 10;  Length 6186;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   5321 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 5262

Qy   2110 G 2110
          |
Db   5261 G 5261


RESULT 14
US-10-092-154-1109
; Sequence 1109, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC009C1
;  CURRENT APPLICATION NUMBER: US/10/092,154
;  CURRENT FILING DATE:  2002-03-07
;  NUMBER OF SEQ ID NOS: 2003
;  Prior Application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1109
;   LENGTH: 6191
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-092-154-1109

  Query Match             2.4%;  Score 61;  DB 9;  Length 6191;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3102 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 3161

Qy   2110 G 2110
          |
Db   3162 G 3162


RESULT 15
US-09-764-860-1076/c
; Sequence 1076, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC008
;  CURRENT APPLICATION NUMBER: US/09/764,860
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1198
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1076
;   LENGTH: 6191
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-860-1076

  Query Match             2.4%;  Score 61;  DB 10;  Length 6191;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   5326 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 5267

Qy   2110 G 2110
          |
Db   5266 G 5266


RESULT 16
US-09-764-860-1077/c
; Sequence 1077, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC008
;  CURRENT APPLICATION NUMBER: US/09/764,860
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1198
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1077
;   LENGTH: 6191
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-860-1077
```

```
  Query Match             2.4%;  Score 61;  DB 10;  Length 6191;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   5326 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 5267

Qy   2110 G 2110
          |
Db   5266 G 5266


RESULT 17
US-09-764-847-1109
; Sequence 1109, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC009
;  CURRENT APPLICATION NUMBER: US/09/764,847
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2003
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1109
;   LENGTH: 6191
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-847-1109

  Query Match             2.4%;  Score 61;  DB 10;  Length 6191;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3102 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 3161

Qy   2110 G 2110
          |
Db   3162 G 3162


RESULT 18
US-10-092-154-1110
; Sequence 1110, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC009C1
;  CURRENT APPLICATION NUMBER: US/10/092,154
;  CURRENT FILING DATE:  2002-03-07
;  NUMBER OF SEQ ID NOS: 2003
;  Prior Application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1110
;   LENGTH: 6194
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-092-154-1110

  Query Match             2.4%;  Score 61;  DB 9;  Length 6194;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3106 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 3165

Qy   2110 G 2110
          |
Db   3166 G 3166


RESULT 19
US-09-764-847-1110
; Sequence 1110, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC009
;  CURRENT APPLICATION NUMBER: US/09/764,847
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2003
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1110
;   LENGTH: 6194
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-847-1110

  Query Match             2.4%;  Score 61;  DB 10;  Length 6194;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3106 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 3165

Qy   2110 G 2110
          |
Db   3166 G 3166


RESULT 20
US-09-764-904-71
; Sequence 71, Application US/09764904
; Patent No. US20020173454A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA122
;  CURRENT APPLICATION NUMBER: US/09/764,904
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 137
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
;   LENGTH: 31994
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-904-71

  Query Match             2.4%;  Score 61;  DB 9;  Length 31994;
  Best Local Similarity   100.0%;  Pred. No. 6.6e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2060 GACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 2119
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   9222 GACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 9281

Qy   2120 C 2120
          |
Db   9282 C 9282


RESULT 21
US-10-091-548-71
; Sequence 71, Application US/10091548
; Publication No. US20030049703A1
; GENERAL INFORMATION:
```

```
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA122C1
;  CURRENT APPLICATION NUMBER: US/10/091,548
;  CURRENT FILING DATE:  2002-03-07
;  NUMBER OF SEQ ID NOS: 137
;  Prior Application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
;   LENGTH: 31994
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-091-548-71

  Query Match             2.4%;  Score 61;  DB 9;  Length 31994;
  Best Local Similarity   100.0%;  Pred. No. 6.6e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2060 GACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 2119
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   9222 GACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 9281

Qy   2120 C 2120
          |
Db   9282 C 9282


RESULT 22
US-09-764-860-599
; Sequence 599, Application US/09764860
; Patent No. US20020094953A1
; GENERAL 1NFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC008
;  CURRENT APPLICATION NUMBER: US/09/764,860
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1198
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 599
;   LENGTH: 31994
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-860-599

  Query Match             2.4%;  Score 61;  DB 10;  Length 31994;
  Best Local Similarity   100.0%;  Pred. No. 6.6e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2060 GACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 2119
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   9222 GACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 9281

Qy   2120 C 2120
          |
Db   9282 C 9282


RESULT 23
US-09-842-364-1
; Sequence 1, Application US/09842364
; Publication No. US20030032783A1
; GENERAL INFORMATION:
;  APPLICANT: Yen-Potin, Frances
;  APPLICANT:  Denison, Blake
;  APPLICANT:  Bour, Barbara
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Dumas Milne Edwards, Jean-Baptiste
;  APPLICANT:  Duclert, Aymeric
;  APPLICANT:  Bougueleret, Lydie
;  TITLE OF INVENTION: APOLIPOPROTEIN A-IV-RELATED PROTEIN: POLYPEPTIDE, POLYNUCLEOTIDE
;  TITLE OF INVENTION:  SEQUENCES AND BIALLELIC MARKERS THEREOF.
;  FILE REFERENCE: GENSET.50CP2C
;  CURRENT APPLICATION NUMBER: US/09/842,364
;  CURRENT FILING DATE:  2001-04-25
;  PRIOR APPLICATION NUMBER: US 09/599,362
;  PRIOR FILING DATE: 2000-06-21
;  PRIOR APPLICATION NUMBER: PCT/IB99/02058
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 09/469/099
;  PRIOR FILING DATE: 1999-12-21
;  PRIOR APPLICATION NUMBER: US 60/113,686
;  PRIOR FILING DATE: 1998-12-22
;  PRIOR APPLICATION NUMBER: US 60/141,032
;  PRIOR FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Patent.pm
; SEQ ID NO 1
;   LENGTH: 81001
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 10946..12946
;   OTHER INFORMATION: 5'regulatory region
;   NAME/KEY: exon
;   LOCATION: 12947..12958
;   OTHER INFORMATION: exon 1
;   NAME/KEY: exon
;   LOCATION: 13470..13526
;   OTHER INFORMATION: exon 2
;   NAME/KEY: exon
;   LOCATION: 13641..13752
;   OTHER INFORMATION: exon 3
;   NAME/KEY: exon
;   LOCATION: 14271..15968
;   OTHER INFORMATION: exon 4
;   NAME/KEY: misc_feature
;   LOCATION: 15969..17969
;   OTHER INFORMATION: 3'regulatory region
;   NAME/KEY: allele
;   LOCATION: 1239
;   OTHER INFORMATION: 20-828-311  : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 12347
;   OTHER INFORMATION: 17-42-319   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 15241
;   OTHER INFORMATION: 17-41-250   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 42218
;   OTHER INFORMATION: 20-841-149  : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 45442
;   OTHER INFORMATION: 20-842-115  : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 77058
;   OTHER INFORMATION: 20-853-415  : polymorphic base C or T
;   NAME/KEY: primer_bind
;   LOCATION: 929..949
;   OTHER INFORMATION: 20-828.pu
;   NAME/KEY: primer_bind
;   LOCATION: 1357..1377
;   OTHER INFORMATION: 20-828.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 12029..12050
;   OTHER INFORMATION: 17-42.pu
;   NAME/KEY: primer_bind
;   LOCATION: 12581..12603
;   OTHER INFORMATION: 17-42.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 14992..15012
;   OTHER INFORMATION: 17-41.pu
;   NAME/KEY: primer_bind
;   LOCATION: 15460..15482
```

```
;   OTHER INFORMATION: 17-41.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 42070..42090
;   OTHER INFORMATION: 20-841.pu
;   NAME/KEY: primer_bind
;   LOCATION: 42572..42591
;   OTHER INFORMATION: 20-841.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 45328..45347
;   OTHER INFORMATION: 20-842.pu
;   NAME/KEY: primer_bind
;   LOCATION: 45863..45883
;   OTHER INFORMATION: 20-842.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 76644..76664
;   OTHER INFORMATION: 20-853.pu
;   NAME/KEY: primer_bind
;   LOCATION: 77166..77185
;   OTHER INFORMATION: 20-853.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 1220..1238
;   OTHER INFORMATION: 20-828-311.mis
;   NAME/KEY: primer_bind
;   LOCATION: 1240..1258
;   OTHER INFORMATION: 20-828-311.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 12328..12346
;   OTHER INFORMATION: 17-42-319.mis
;   NAME/KEY: primer_bind
;   LOCATION: 12348..12366
;   OTHER INFORMATION: 17-42-319.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 15222..15240
;   OTHER INFORMATION: 17-41-250.mis
;   NAME/KEY: primer_bind
;   LOCATION: 15242..15260
;   OTHER INFORMATION: 17-41-250.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 42199..42217
;   OTHER INFORMATION: 20-841-149.mis
;   NAME/KEY: primer_bind
;   LOCATION: 42219..42237
;   OTHER INFORMATION: 20-841-149.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 45423..45441
;   OTHER INFORMATION: 20-842-115.mis
;   NAME/KEY: primer_bind
;   LOCATION: 45443..45461
;   OTHER INFORMATION: 20-842-115.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 77039..77057
;   OTHER INFORMATION: 20-853-415.mis
;   NAME/KEY: primer_bind
;   LOCATION: 77059..77077
;   OTHER INFORMATION: 20-853-415.mis complement
;   NAME/KEY: misc_binding
;   LOCATION: 1227..1251
;   OTHER INFORMATION: 20-828-311.probe
;   NAME/KEY: misc_binding
;   LOCATION: 12335..12359
;   OTHER INFORMATION: 17-42-319.probe
;   NAME/KEY: misc_binding
;   LOCATION: 15229..15253
;   OTHER INFORMATION: 17-41-250.probe
;   NAME/KEY: misc_binding
;   LOCATION: 42206..42230
;   OTHER INFORMATION: 20-841-149.probe
;   NAME/KEY: misc_binding
;   LOCATION: 45430..45454
;   OTHER INFORMATION: 20-842-115.probe
;   NAME/KEY: misc_binding
;   LOCATION: 77046..77070
;   OTHER INFORMATION: 20-853-415.probe
```

```
US-09-842-364-1

  Query Match             2.4%;  Score 61;  DB 9;  Length 81001;
  Best Local Similarity   100.0%;  Pred. No. 6.2e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  64955 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 65014

Qy   2110 G 2110
          |
Db  65015 G 65015


RESULT 24
US-09-751-877-1
; Sequence 1, Application US/09751877
; Patent No. US20020142949A1
; GENERAL INFORMATION:
;  APPLICANT: Yen, Frances
;  APPLICANT:  Denison, Blake
;  APPLICANT:  Bour, Barbara
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Dumas Milne Edwards, Jean-Baptiste
;  APPLICANT:  Duclert, Aymeric
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Ebbets-Reed, Dana
;  APPLICANT:  Salter-Cid, Luisa
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
;  FILE REFERENCE: 89.US3.REG
;  CURRENT APPLICATION NUMBER: US/09/751,877
;  CURRENT FILING DATE:  2000-12-28
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Patent.pm
; SEQ ID NO 1
;   LENGTH: 81001
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 10946..12946
;   OTHER INFORMATION: 5'regulatory region
;   NAME/KEY: exon
;   LOCATION: 12947..12958
;   OTHER INFORMATION: exon 1
;   NAME/KEY: exon
;   LOCATION: 13470..13526
;   OTHER INFORMATION: exon 2
;   NAME/KEY: exon
;   LOCATION: 13641..13752
;   OTHER INFORMATION: exon 3
;   NAME/KEY: exon
;   LOCATION: 14271..15968
;   OTHER INFORMATION: exon 4
;   NAME/KEY: misc_feature
;   LOCATION: 15969..17969
;   OTHER INFORMATION: 3'regulatory region
;   NAME/KEY: allele
;   LOCATION: 1239
;   OTHER INFORMATION: 20-828-311  : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 12347
;   OTHER INFORMATION: 17-42-319   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 15241
;   OTHER INFORMATION: 17-41-250   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 42218
;   OTHER INFORMATION: 20-841-149  : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 45442
;   OTHER INFORMATION: 20-842-115  : polymorphic base A or G
```

```
;   NAME/KEY: allele
;   LOCATION: 77058
;   OTHER INFORMATION: 20-853-415  : polymorphic base C or T
;   NAME/KEY: primer_bind
;   LOCATION: 929..949
;   OTHER INFORMATION: 20-828.pu
;   NAME/KEY: primer_bind
;   LOCATION: 1357..1377
;   OTHER INFORMATION: 20-828.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 12029..12050
;   OTHER INFORMATION: 17-42.pu
;   NAME/KEY: primer_bind
;   LOCATION: 12581..12603
;   OTHER INFORMATION: 17-42.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 14992..15012
;   OTHER INFORMATION: 17-41.pu
;   NAME/KEY: primer_bind
;   LOCATION: 15460..15482
;   OTHER INFORMATION: 17-41.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 42070..42090
;   OTHER INFORMATION: 20-841.pu
;   NAME/KEY: primer_bind
;   LOCATION: 42572..42591
;   OTHER INFORMATION: 20-841.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 45328..45347
;   OTHER INFORMATION: 20-842.pu
;   NAME/KEY: primer_bind
;   LOCATION: 45863..45883
;   OTHER INFORMATION: 20-842.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 76644..76664
;   OTHER INFORMATION: 20-853.pu
;   NAME/KEY: primer_bind
;   LOCATION: 77166..77185
;   OTHER INFORMATION: 20-853.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 1220..1238
;   OTHER INFORMATION: 20-828-311.mis
;   NAME/KEY: primer_bind
;   LOCATION: 1240..1258
;   OTHER INFORMATION: 20-828-311.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 12328..12346
;   OTHER INFORMATION: 17-42-319.mis
;   NAME/KEY: primer_bind
;   LOCATION: 12348..12366
;   OTHER INFORMATION: 17-42-319.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 15222..15240
;   OTHER INFORMATION: 17-41-250.mis
;   NAME/KEY: primer_bind
;   LOCATION: 15242..15260
;   OTHER INFORMATION: 17-41-250.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 42199..42217
;   OTHER INFORMATION: 20-841-149.mis
;   NAME/KEY: primer_bind
;   LOCATION: 42219..42237
;   OTHER INFORMATION: 20-841-149.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 45423..45441
;   OTHER INFORMATION: 20-842-115.mis
;   NAME/KEY: primer_bind
;   LOCATION: 45443..45461
;   OTHER INFORMATION: 20-842-115.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 77039..77057
;   OTHER INFORMATION: 20-853-415.mis
;   NAME/KEY: primer_bind
;   LOCATION: 77059..77077
;   OTHER INFORMATION: 20-853-415.mis complement
;   NAME/KEY: misc_binding
;   LOCATION: 1227..1251
;   OTHER INFORMATION: 20-828-311.probe
;   NAME/KEY: misc_binding
;   LOCATION: 12335..12359
;   OTHER INFORMATION: 17-42-319.probe
;   NAME/KEY: misc_binding
;   LOCATION: 15229..15253
;   OTHER INFORMATION: 17-41-250.probe
;   NAME/KEY: misc_binding
;   LOCATION: 42206..42230
;   OTHER INFORMATION: 20-841-149.probe
;   NAME/KEY: misc_binding
;   LOCATION: 45430..45454
;   OTHER INFORMATION: 20-842-115.probe
;   NAME/KEY: misc_binding
;   LOCATION: 77046..77070
;   OTHER INFORMATION: 20-853-415.probe
US-09-751-877-1

  Query Match             2.4%;  Score 61;  DB 10;  Length 81001;
  Best Local Similarity   100.0%;  Pred. No. 6.2e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  64955 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 65014

Qy   2110 G 2110
           |
Db  65015 G 65015


RESULT 25
US-10-161-510-1
; Sequence 1, Application US/10161510
; Publication No. US20020192695A1
; GENERAL INFORMATION:
;  APPLICANT: EXELIXIS, INC.
;  TITLE OF INVENTION: PIBs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
;  FILE REFERENCE: EX02-074C
;  CURRENT APPLICATION NUMBER: US/10/161,510
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: US 60/296,076
;  PRIOR FILING DATE: 2001-06-05
;  PRIOR APPLICATION NUMBER: US 60/328,605
;  PRIOR FILING DATE: 2001-10-10
;  PRIOR APPLICATION NUMBER: US 60/357,253
;  PRIOR FILING DATE: 2002-02-15
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 133893
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-161-510-1

  Query Match             2.4%;  Score 61;  DB 9;  Length 133893;
  Best Local Similarity   100.0%;  Pred. No. 6e-21;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  66908 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 66967

Qy   2110 G 2110
           |
Db  66968 G 66968


RESULT 26
```

```
US-09-863-475A-5
; Sequence 5, Application US/09863475A
; Patent No. US20020102688A1
;  GENERAL INFORMATION:
;       APPLICANT: LOWE, JOHN B.
;       TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
;                           OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;                           GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;                           OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
;       NUMBER OF SEQUENCES: 14
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                       P.C.
;            STREET: 1755 Jefferson Davis Highway, Fourth Floor
;            CITY: Arlington
;            STATE: Virginia
;            COUNTRY: U.S.A.
;            ZIP: 22202
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/863,475A
;            FILING DATE: 24-May-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 07/914,281
;            FILING DATE: 20-JUL-1992
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Lavalleye, Jean-Paul M. P.
;            REGISTRATION NUMBER: 31,451
;            REFERENCE/DOCKET NUMBER: 2363-060-55
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (703)521-4500
;            TELEFAX: (703)486-2347
;            TELEX: 248855 OPAT UR
;   INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 8174 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: unknown
;            TOPOLOGY: unknown
;       MOLECULE TYPE: DNA (genomic)
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-863-475A-5

  Query Match             2.3%;  Score 60;  DB 10;  Length 8174;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-20;
  Matches   60;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2061 ACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   4227 ACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 4286


RESULT 27
US-10-000-639-7/c
; Sequence 7, Application US/10000639
; Publication No. US20020192777A1
; GENERAL INFORMATION:
;  APPLICANT: SHEPPARD, PAUL O.
;  APPLICANT:  VU, TUYEN Q.
;  APPLICANT:  FELDHAUS, ANDREW L.
;  APPLICANT:  HALDEMAN, BETTY A.
;  TITLE OF INVENTION: Testis Protein, Zsig86
;  FILE REFERENCE: 00-44
;  CURRENT APPLICATION NUMBER: US/10/000,639
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,070
;  PRIOR FILING DATE: 2000-11-01
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 9887
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-000-639-7

  Query Match             2.3%;  Score 60;  DB 9;  Length 9887;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-20;
  Matches   60;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2061 ACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   8664 ACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 8605


RESULT 28
US-09-986-480-38/c
; Sequence 38, Application US/09986480
; Publication No. US20030027999A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 143 Human Secreted Proteins
;  FILE REFERENCE: PS500P1
;  CURRENT APPLICATION NUMBER: US/09/986,480
;  CURRENT FILING DATE:  2001-11-08
;  PRIOR APPLICATION NUMBER: PCT/US00/12788
;  PRIOR FILING DATE: 2000-05-11
;  PRIOR APPLICATION NUMBER: US 60/134,068
;  PRIOR FILING DATE: 1999-05-13
;  NUMBER OF SEQ ID NOS: 456
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
;   LENGTH: 1376
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (938)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (1350)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (1358)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (1360)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-986-480-38

  Query Match             2.3%;  Score 59;  DB 9;  Length 1376;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1094 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 1036


RESULT 29
US-10-079-854-231
; Sequence 231, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121C1
;  CURRENT APPLICATION NUMBER: US/10/079,854
;  CURRENT FILING DATE:  2002-02-22
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 428
```

```
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 231
;   LENGTH: 11172
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-079-854-231

  Query Match           2.3%;  Score 59;  DB 9;  Length 11172;
  Best Local Similarity  100.0%;  Pred. No. 7.2e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACGGCACC 2126
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2692 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACGGCACC 2750


RESULT 30
US-09-764-878-231
; Sequence 231, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121
;  CURRENT APPLICATION NUMBER: US/09/764,878
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 231
;   LENGTH: 11172
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-878-231

  Query Match           2.3%;  Score 59;  DB 10;  Length 11172;
  Best Local Similarity  100.0%;  Pred. No. 7.2e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACGGCACC 2126
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2692 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACGGCACC 2750


RESULT 31
US-09-860-670-263
; Sequence 263, Application US/09860670
; Patent No. US20020165137A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA127P1
;  CURRENT APPLICATION NUMBER: US/09/860,670
;  CURRENT FILING DATE:  2001-05-21
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 289
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 263
;   LENGTH: 24218
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-860-670-263

  Query Match           2.3%;  Score 59;  DB 9;  Length 24218;
  Best Local Similarity  100.0%;  Pred. No. 6.9e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  12343 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 12401


RESULT 32
US-09-860-670-255
; Sequence 255, Application US/09860670
; Patent No. US20020165137A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA127P1
;  CURRENT APPLICATION NUMBER: US/09/860,670
;  CURRENT FILING DATE:  2001-05-21
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 289
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 255
;   LENGTH: 32190
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-860-670-255

  Query Match           2.3%;  Score 59;  DB 9;  Length 32190;
  Best Local Similarity  100.0%;  Pred. No. 6.8e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  27046 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 27104


RESULT 33
US-09-860-670-260
; Sequence 260, Application US/09860670
; Patent No. US20020165137A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA127P1
;  CURRENT APPLICATION NUMBER: US/09/860,670
;  CURRENT FILING DATE:  2001-05-21
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 289
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 260
;   LENGTH: 32249
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-860-670-260

  Query Match           2.3%;  Score 59;  DB 9;  Length 32249;
  Best Local Similarity  100.0%;  Pred. No. 6.8e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  20262 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 20320


RESULT 34
US-10-224-562-3/c
; Sequence 3, Application US/10224562
; Publication No. US20030022229A1
; GENERAL INFORMATION:
;  APPLICANT: YAN, Chunhua et al.
;  TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
;  TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: CL001098DIV
;  CURRENT APPLICATION NUMBER: US/10/224,562
;  CURRENT FILING DATE:  2002-08-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 53332
;   TYPE: DNA
;   ORGANISM: Homo sapiens
```

US-10-224-562-3

Query Match 2.3%; Score 59; DB 9; Length 53332;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 46535 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 46477

RESULT 35
US-09-801-861-3/c
; Sequence 3, Application US/09801861
; Patent No. US20020119544A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001098
; CURRENT APPLICATION NUMBER: US/09/801,861
; CURRENT FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 53332
; TYPE: DNA
; ORGANISM: Human
US-09-801-861-3

Query Match 2.3%; Score 59; DB 10; Length 53332;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 46535 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 46477

RESULT 36
US-09-818-512-3
; Sequence 3, Application US/09818512
; Patent No. US20020142416A1
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, Ellen et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001192
; CURRENT APPLICATION NUMBER: US/09/818,512
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 116592
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(116592)
; OTHER INFORMATION: n = A,T,C or G
US-09-818-512-3

Query Match 2.3%; Score 59; DB 10; Length 116592;
Best Local Similarity 100.0%; Pred. No. 6.3e-20;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 70804 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 70862

RESULT 37
US-09-969-708-79/c
; Sequence 79, Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-70
; CURRENT APPLICATION NUMBER: US/09/969,708
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,608
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,425
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 79
; LENGTH: 145831
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-708-79

Query Match 2.3%; Score 59; DB 10; Length 145831;
Best Local Similarity 100.0%; Pred. No. 6.2e-20;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGT 2111
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 86920 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGT 86862

RESULT 38
US-09-954-456-2116/c
; Sequence 2116, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2116
; LENGTH: 145831
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-2116

```
  Query Match             2.3%;  Score 59;  DB 10;  Length 145831;
  Best Local Similarity   100.0%;  Pred. No. 6.2e-20;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGT 2111
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  86920 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGT 86862


RESULT 39
US-10-079-854-338/c
; Sequence 338, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121C1
;  CURRENT APPLICATION NUMBER: US/10/079,854
;  CURRENT FILING DATE:  2002-02-22
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 338
;   LENGTH: 113
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-079-854-338

  Query Match             2.3%;  Score 58;  DB 9;  Length 113;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-19;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     58 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 1


RESULT 40
US-09-764-878-338/c
; Sequence 338, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121
;  CURRENT APPLICATION NUMBER: US/09/764,878
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 338
;   LENGTH: 113
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-878-338

  Query Match             2.3%;  Score 58;  DB 10;  Length 113;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-19;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     58 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 1


RESULT 41
US-09-908-711-148/c
; Sequence 148, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA128
;  CURRENT APPLICATION NUMBER: US/09/908,711
;  CURRENT FILING DATE:  2001-07-20
;  PRIOR APPLICATION NUMBER: US01/01360
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,867
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01344
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,892
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01345
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,888
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01329
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,905
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01354
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,891
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01339
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,869
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01340
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,874
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01334
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,898
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01320
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,853
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01349
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,902
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01239
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,870
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01348
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,882
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01347
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,896
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01307
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,864
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01341
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,856
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01336
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,868
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01312
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/209,467
```

; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 148
; LENGTH: 529
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-711-148

Query Match 2.3%; Score 58; DB 10; Length 529;
Best Local Similarity 100.0%; Pred. No. 2.8e-19;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 363 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 306

RESULT 42
US-09-908-711-149/c
; Sequence 149, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01329
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,869
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01340
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,874
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01334
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,898
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01239
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,870
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01348
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,882
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01347
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,896
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01307
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01341
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,856
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01336
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,868
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 149
; LENGTH: 529
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-711-149

Query Match 2.3%; Score 58; DB 10; Length 529;
Best Local Similarity 100.0%; Pred. No. 2.8e-19;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 363 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 306

RESULT 43
US-09-908-711-150/c
; Sequence 150, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,B92
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01329
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891

; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,869
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01340
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,874
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01334
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,898
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01239
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,870
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01348
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,882
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01347
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,896
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01307
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01341
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,856
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01336
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,868
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 150
; LENGTH: 529
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-711-150

Query Match 2.3%; Score 58; DB 10; Length 529;
Best Local Similarity 100.0%; Pred. No. 2.8e-19;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 363 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 306

RESULT 44
US-09-90B-711-27/c
; Sequence 27, Application US/09908711

; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01329
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,869
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01340
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,874
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01334
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,898
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01239
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,870
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01348
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,882
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01347
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,896
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01307
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01341
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,856
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01336
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,868
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17

```
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/209,467
;  PRIOR FILING DATE: 2000-06-07
;  NUMBER OF SEQ ID NOS: 167
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
;   LENGTH: 538
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (504)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-908-711-27

  Query Match             2.3%;  Score 58;  DB 10;  Length 538;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-19;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    372 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 315


RESULT 45
US-09-764-877-3251/c
; Sequence 3251, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC005
;  CURRENT APPLICATION NUMBER: US/09/764,877
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 4031
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3251
;   LENGTH: 32177
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-877-3251

  Query Match             2.3%;  Score 58;  DB 10;  Length 32177;
  Best Local Similarity   100.0%;  Pred. No. 2.2e-19;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2701 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2644


RESULT 46
US-09-731-231A-3/c
; Sequence 3, Application US/09731231A
; Patent No. US20020082189A1
; GENERAL INFORMATION:
;  APPLICANT: GUEGLER, Karl et al
;  TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
;  TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: CL001007
;  CURRENT APPLICATION NUMBER: US/09/731,231A
;  CURRENT FILING DATE:  2000-12-07
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 326014
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(326014)
;   OTHER INFORMATION: n = A,T,C or G
US-09-731-231A-3

  Query Match             2.3%;  Score 58;  DB 10;  Length 326014;
  Best Local Similarity   100.0%;  Pred. No. 1.9e-19;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2052 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 2109
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 228267 GAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAG 228210


RESULT 47
US-09-764-877-3448/c
; Sequence 3448, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC005
;  CURRENT APPLICATION NUMBER: US/09/764,877
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 4031
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3448
;   LENGTH: 3561
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-877-3448

  Query Match             2.2%;  Score 56;  DB 10;  Length 3561;
  Best Local Similarity   100.0%;  Pred. No. 2.6e-18;
  Matches   56;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACA 2108
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2775 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACA 2720


RESULT 48
US-09-908-711-147
; Sequence 147, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA128
;  CURRENT APPLICATION NUMBER: US/09/908,711
;  CURRENT FILING DATE:  2001-07-20
;  PRIOR APPLICATION NUMBER: US01/01360
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,867
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01344
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,892
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01345
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,888
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01329
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,905
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01354
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,891
;  PRIOR FILING DATE: 2001-01-17
```

```
;  PRIOR APPLICATION NUMBER: US01/01339
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,869
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01340
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,874
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01334
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,898
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01320
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,853
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01349
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,902
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01239
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,870
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01348
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,882
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01347
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,896
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01307
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,864
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01341
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,856
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01336
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 09/764,868
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: US01/01312
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/209,467
;  PRIOR FILING DATE: 2000-06-07
;  NUMBER OF SEQ ID NOS: 167
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 147
;   LENGTH: 8742
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-908-711-147

  Query Match             2.2%;  Score 56;  DB 10;  Length 8742;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-18;
  Matches   56;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2055 CTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    486 CTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 541


RESULT 49
US-09-863-049A-1
; Sequence 1, Application US/09863049A
; Publication No. US20030032055A1
; GENERAL INFORMATION:
;  APPLICANT: Kenwrick, Sue J.
;  APPLICANT:  Nelson, David L.
;  APPLICANT:  Aradhya, Swaroop
;  APPLICANT:  D'Urso, Michele
;  APPLICANT:  Woffendin, Hayley
;  APPLICANT:  Munnich, Arnold
;  APPLICANT:  Smahi, Asmae
;  APPLICANT:  Israel, Alain
;  APPLICANT:  Poustka, Annemarie
;  APPLICANT:  Lewis, Richard A
;  APPLICANT:  Levy, Moise
;  APPLICANT:  Heiss, Nina
;  TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def
;  TITLE OF INVENTION:  NFKAPPA B (NF-kB) Activation
;  FILE REFERENCE: HO-P01961US1
;  CURRENT APPLICATION NUMBER: US/09/863,049A
;  CURRENT FILING DATE:  2001-05-22
;  PRIOR APPLICATION NUMBER: US 60/206,223
;  PRIOR FILING DATE: 2000-05-22
;  NUMBER OF SEQ ID NOS: 77
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 23106
;   TYPE: DNA
;   ORGANISM: Human
US-09-863-049A-1

  Query Match             2.2%;  Score 56;  DB 9;  Length 23106;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-18;
  Matches   56;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2055 CTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  13538 CTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 13593


RESULT 50
US-09-764-887-427/c
; Sequence 427, Application US/09764887
; Patent No. US20020042096A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA113
;  CURRENT APPLICATION NUMBER: US/09/764,887
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 658
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 427
;   LENGTH: 298
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-887-427

  Query Match             2.1%;  Score 53;  DB 10;  Length 298;
  Best Local Similarity   100.0%;  Pred. No. 1e-16;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     65 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 13


RESULT 51
US-09-764-887-429/c
; Sequence 429, Application US/09764887
; Patent No. US20020042096A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA113
```

```
;  CURRENT APPLICATION NUMBER: US/09/764,887
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 658
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 429
;   LENGTH: 298
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-887-429

  Query Match             2.1%;  Score 53;  DB 10;  Length 298;
  Best Local Similarity   100.0%;  Pred. No. 1e-16;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     65 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 13


RESULT 52
US-09-803-719-249/c
; Sequence 249, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Lewis T.
;  APPLICANT:  Escobedo, Jaime
;  APPLICANT:  Innis, Michael A.
;  APPLICANT:  Garcia, Pablo Dominiguez
;  APPLICANT:  Sudduth-Klinger, Julie
;  APPLICANT:  Reinhard, Christoph
;  APPLICANT:  Giese, Klaus
;  APPLICANT:  Randazzo, Filippo
;  APPLICANT:  Kennedy, Giulia C.
;  APPLICANT:  Pot, David
;  APPLICANT:  Kassam, Altaf
;  APPLICANT:  Lamson, George
;  APPLICANT:  Drmanac, Radoje
;  APPLICANT:  Crkvenjakov, Radomir
;  APPLICANT:  Dickson, Mark
;  APPLICANT:  Drmanac, Snezana
;  APPLICANT:  Labat, Ivan
;  APPLICANT:  Leshkowitz, Dena
;  APPLICANT:  Kita, David
;  APPLICANT:  Garcia, Veronica
;  APPLICANT:  Jones, Lee William
;  APPLICANT:  Stache-Crain, Birgit
;  TITLE OF INVENTION: Human Genes and Gene Products
;  FILE REFERENCE: 1624.002
;  CURRENT APPLICATION NUMBER: US/09/803,719
;  CURRENT FILING DATE:  2001-03-09
;  PRIOR APPLICATION NUMBER: 60/188,609
;  PRIOR FILING DATE: 2000-03-09
;  NUMBER OF SEQ ID NOS: 2396
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 249
;   LENGTH: 339
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(339)
;   OTHER INFORMATION: n = A,T,C or G
US-09-803-719-249

  Query Match             2.1%;  Score 53;  DB 9;  Length 339;
  Best Local Similarity   100.0%;  Pred. No. 1e-16;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2080 CCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACGGCACCCAGCCT 2132
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    313 CCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACGGCACCCAGCCT 261


RESULT 53
US-10-079-854-245/c
; Sequence 245, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121C1
;  CURRENT APPLICATION NUMBER: US/10/079,854
;  CURRENT FILING DATE:  2002-02-22
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 245
;   LENGTH: 1036
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-079-854-245

  Query Match             2.1%;  Score 53;  DB 9;  Length 1036;
  Best Local Similarity   100.0%;  Pred. No. 9.3e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    631 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 579


RESULT 54
US-09-764-878-245/c
; Sequence 245, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121
;  CURRENT APPLICATION NUMBER: US/09/764,878
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 245
;   LENGTH: 1036
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-878-245

  Query Match             2.1%;  Score 53;  DB 10;  Length 1036;
  Best Local Similarity   100.0%;  Pred. No. 9.3e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    631 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 579


RESULT 55
US-09-764-864-1778
; Sequence 1778, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ23
;  CURRENT APPLICATION NUMBER: US/09/764,864
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1792
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1778
;   LENGTH: 8078
;   TYPE: DNA
```

```
;   ORGANISM: Homo sapiens
US-09-764-864-177B

  Query Match              2.1%;  Score 53;  DB 10;  Length 8078;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    7778 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 7830


RESULT 56
US-09-764-864-1779
; Sequence 1779, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ23
;  CURRENT APPLICATION NUMBER: US/09/764,864
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1792
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1779
;   LENGTH: 807B
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-864-1779

  Query Match              2.1%;  Score 53;  DB 10;  Length 8078;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    7778 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 7830


RESULT 57
US-10-092-154-1744/c
; Sequence 1744, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC009C1
;  CURRENT APPLICATION NUMBER: US/10/092,154
;  CURRENT FILING DATE:  2002-03-07
;  NUMBER OF SEQ ID NOS: 2003
;  Prior Application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1744
;   LENGTH: 14093
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-092-154-1744

  Query Match              2.1%;  Score 53;  DB 9;  Length 14093;
  Best Local Similarity   100.0%;  Pred. No. 7.9e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1480 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 1428


RESULT 58
US-09-764-847-1744/c
; Sequence 1744, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC009
;  CURRENT APPLICATION NUMBER: US/09/764,847
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2003
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1744
;   LENGTH: 14093
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-847-1744

  Query Match              2.1%;  Score 53;  DB 10;  Length 14093;
  Best Local Similarity   100.0%;  Pred. No. 7.9e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1480 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 1428


RESULT 59
US-10-079-854-244/c
; Sequence 244, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121C1
;  CURRENT APPLICATION NUMBER: US/10/079,854
;  CURRENT FILING DATE:  2002-02-22
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 244
;   LENGTH: 14962
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-079-854-244

  Query Match              2.1%;  Score 53;  DB 9;  Length 14962;
  Best Local Similarity   100.0%;  Pred. No. 7.9e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    3719 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 3667


RESULT 60
US-09-764-878-244/c
; Sequence 244, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA121
;  CURRENT APPLICATION NUMBER: US/09/764,878
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 428
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 244
;   LENGTH: 14962
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-878-244

  Query Match              2.1%;  Score 53;  DB 10;  Length 14962;
  Best Local Similarity   100.0%;  Pred. No. 7.9e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3719 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 3667


RESULT 61
US-09-782-378A-17/c
; Sequence 17, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
;  APPLICANT: Hearing, Patrick
;  APPLICANT:  Bahou, Wadie
;  APPLICANT:  Sandalon, Ziv
;  APPLICANT:  Gnatenko, Dmitri
;  TITLE OF INVENTION: Adenoviral Vectors
;  FILE REFERENCE: STONYB-04970
;  CURRENT APPLICATION NUMBER: US/09/782,378A
;  CURRENT FILING DATE:  2001-02-12
;  PRIOR APPLICATION NUMBER: 60/237,747
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
;   LENGTH: 56737
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-782-378A-17

  Query Match             2.1%;  Score 53;  DB 10;  Length 56737;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   53;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   7567 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 7515


RESULT 62
US-09-867-701-7361/c
; Sequence 7361, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
;  APPLICANT: Aglate, Paul A.
;  APPLICANT:  Jones, Robert
;  APPLICANT:  Harlocker, Susan L.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;  TITLE OF INVENTION:  AND DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.497
;  CURRENT APPLICATION NUMBER: US/09/867,701
;  CURRENT FILING DATE:  2001-05-29
;  NUMBER OF SEQ ID NOS: 10912
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7361
;   LENGTH: 459
;   TYPE: DNA
;   ORGANISM: Homo sapien
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(459)
;   OTHER INFORMATION: n = A,T,C or G
US-09-867-701-7361

  Query Match             2.0%;  Score 52;  DB 10;  Length 459;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-16;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2069 TGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    327 TGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 276


RESULT 63
US-10-091-504-1785/c
; Sequence 1785, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007C1
;  CURRENT APPLICATION NUMBER: US/10/091,504
;  CURRENT FILING DATE:  2002-03-07
;  NUMBER OF SEQ ID NOS: 2442
;  Prior Application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1785
;   LENGTH: 2521
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-091-504-1785

  Query Match             2.0%;  Score 52;  DB 9;  Length 2521;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-16;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 2119
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1435 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 1384


RESULT 64
US-09-764-869-1785/c
; Sequence 1785, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007
;  CURRENT APPLICATION NUMBER: US/09/764,869
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2442
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1785
;   LENGTH: 2521
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-869-1785

  Query Match             2.0%;  Score 52;  DB 10;  Length 2521;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-16;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2068 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 2119
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1435 GTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCA 1384


RESULT 65
US-10-274-974-3
; Sequence 3, Application US/10274974
; Publication No. US20030054490A1
; GENERAL INFORMATION:
;  APPLICANT: WEI, Ming-Hui et al.
;  TITLE OF INVENTION: ISOLATED HUMAN PHOSPHATASE PROTEINS,
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHATASE PROTEINS,
;  TITLE OF INVENTION:  AND USES THEREOF
;  FILE REFERENCE: CL000871 DIV
;  CURRENT APPLICATION NUMBER: US/10/274,974
;  CURRENT FILING DATE:  2002-10-18
;  PRIOR APPLICATION NUMBER: 09/685,853
;  PRIOR FILING DATE: 2000-10-11
;  PRIOR APPLICATION NUMBER: 60/182,194
;  PRIOR FILING DATE: 2000-02-14
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: FastSEQ for Windows Version 4.0
```

```
; SEQ ID NO 3
;   LENGTH: 74962
;   TYPE: DNA
;   ORGANISM: Homo sapien
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(74962)
;   OTHER INFORMATION: n = A,T,C or G
US-10-274-974-3

  Query Match             2.0%;  Score 52;  DB 9;  Length 74962;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-16;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2059 TGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   34620 TGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 34671


RESULT 66
US-09-995-419A-1/c
; Sequence 1, Application US/09995419A
; Publication No. US20030032187A1
; GENERAL INFORMATION:
;  APPLICANT: Geron Corporation
;  APPLICANT:  McWhir, Jim
;  APPLICANT:  Gold, Joseph D.
;  APPLICANT:  Schiff, J. Michael
;  TITLE OF INVENTION: 096,004 - SeqList
;  FILE REFERENCE: 096,004 - SeqList
;  CURRENT APPLICATION NUMBER: US/09/995,419A
;  CURRENT FILING DATE:  2001-11-26
;  PRIOR APPLICATION NUMBER: 60/253,357
;  PRIOR FILING DATE: 2000-11-27
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 15418
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-995-419A-1

  Query Match             2.0%;  Score 51;  DB 9;  Length 15418;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2070 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db     632 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 582


RESULT 67
US-10-141-220-1/c
; Sequence 1, Application US/10141220
; Publication No. US20030040111A1
; GENERAL INFORMATION:
;  APPLICANT: Geron Corporation
;  APPLICANT:  Gold, Joseph
;  APPLICANT:  Lebkowski, Jane
;  TITLE OF INVENTION: Tpacked stem cells
;  FILE REFERENCE: 096/003
;  CURRENT APPLICATION NUMBER: US/10/141,220
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US/09/783,203
;  PRIOR FILING DATE: 2001-02-13
;  PRIOR APPLICATION NUMBER: 60/253,443
;  PRIOR FILING DATE: 2000-11-27
;  PRIOR APPLICATION NUMBER: 60/253,357
;  PRIOR FILING DATE: 2000-11-27
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 15418
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-141-220-1

  Query Match             2.0%;  Score 51;  DB 9;  Length 15418;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2070 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db     632 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 582


RESULT 68
US-09-783-203-1/c
; Sequence 1, Application US/09783203
; Patent No. US20020098582A1
; GENERAL INFORMATION:
;  APPLICANT: Geron Corporation
;  APPLICANT:  Gold, Joseph
;  APPLICANT:  Lebkowski, Jane
;  TITLE OF INVENTION: Tpacked stem cells
;  FILE REFERENCE: 096/003
;  CURRENT APPLICATION NUMBER: US/09/783,203
;  CURRENT FILING DATE:  2001-02-13
;  PRIOR APPLICATION NUMBER: 60/253,443
;  PRIOR FILING DATE: 2000-11-27
;  PRIOR APPLICATION NUMBER: 60/253,357
;  PRIOR FILING DATE: 2000-11-27
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 15418
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-783-203-1

  Query Match             2.0%;  Score 51;  DB 10;  Length 15418;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2070 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db     632 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 582


RESULT 69
US-09-994-427A-1/c
; Sequence 1, Application US/09994427A
; Patent No. US20020128221A1
; GENERAL INFORMATION:
;  APPLICANT: Geron Corporation
;  APPLICANT:  Schiff, J. Michael
;  TITLE OF INVENTION: GLYCOSYLTRANSFERASE VECTORS FOR TREATING CANCER
;  FILE REFERENCE: 083,002
;  CURRENT APPLICATION NUMBER: US/09/994,427A
;  CURRENT FILING DATE:  2002-02-26
;  PRIOR APPLICATION NUMBER: 60/253,395
;  PRIOR FILING DATE: 2000-11-27
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 15418
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-994-427A-1

  Query Match             2.0%;  Score 51;  DB 10;  Length 15418;
  Best Local Similarity   100.0%;  Pred. No. 8.2e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    2070 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          |||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db    632 GATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 582


RESULT 70
US-09-764-872-812
; Sequence 812, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA125
;  CURRENT APPLICATION NUMBER: US/09/764,872
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 957
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 812
;   LENGTH: 31718
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-872-812

  Query Match             2.0%;  Score 51;  DB 9;  Length 31718;
  Best Local Similarity   100.0%;  Pred. No. 7.8e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTG 2100
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db  18487 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTG 18537


RESULT 71
US-09-764-872-813
; Sequence 813, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA125
;  CURRENT APPLICATION NUMBER: US/09/764,872
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 957
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 813
;   LENGTH: 31718
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-872-813

  Query Match             2.0%;  Score 51;  DB 9;  Length 31718;
  Best Local Similarity   100.0%;  Pred. No. 7.8e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2050 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTG 2100
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db  18487 TCGAACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTG 18537


RESULT 72
US-09-969-708-79
; Sequence 79, Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
;  APPLICANT: Augustus, Meena
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-70
;  CURRENT APPLICATION NUMBER: US/09/969,708
;  CURRENT FILING DATE:  2001-10-03
;  PRIOR APPLICATION NUMBER: US/60/237,606
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: US/60/237,608
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: US/60/237,425
;  PRIOR FILING DATE: 2000-10-03
;  NUMBER OF SEQ ID NOS: 658
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 79
;   LENGTH: 145831
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-969-708-79

  Query Match             2.0%;  Score 51;  DB 10;  Length 145831;
  Best Local Similarity   100.0%;  Pred. No. 7.1e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGA 2103
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db 142992 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGA 143042


RESULT 73
US-09-954-456-2116
; Sequence 2116, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
;  APPLICANT: Young, Paul
;  TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-76
;  CURRENT APPLICATION NUMBER: US/09/954,456
;  CURRENT FILING DATE:  2001-09-18
;  PRIOR APPLICATION NUMBER: US/60/233,617
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US/60/234,052
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,923
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,134
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,637
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,638
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,711
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,720
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,840
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,863
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 2276
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2116
;   LENGTH: 145831
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-954-456-2116

  Query Match             2.0%;  Score 51;  DB 10;  Length 145831;
  Best Local Similarity   100.0%;  Pred. No. 7.1e-16;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2053 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGA 2103
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db 142992 AACTCCTGACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGA 143042


RESULT 74
US-09-820-003A-25
; Sequence 25, Application US/09820003A
; Patent No. US20020142382A1
; GENERAL INFORMATION:
```

```
;  APPLICANT: MERKULOV, Gennady et al.
;  TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
;  TITLE OF INVENTION:  PROTEINS, AND USES THEREOF
;  FILE REFERENCE: CL001196
;  CURRENT APPLICATION NUMBER: US/09/820,003A
;  CURRENT FILING DATE:  2001-03-29
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-820-003A-25

  Query Match             1.9%;  Score 50;  DB 10;  Length 601;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-15;
  Matches   50;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2071 ATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 2120
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Db    446 ATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCAC 495


RESULT 75
US-10-001-835-116/c
; Sequence 116, Application US/10001835
; Patent No. US20020160387A1
; GENERAL INFORMATION:
;  APPLICANT: Salceda, Susana
;  APPLICANT:  Macina, Roberto
;  APPLICANT:  Recipon, Herve
;  APPLICANT:  Cafferkey, Robert
;  APPLICANT:  Sun, Yongming
;  APPLICANT:  Liu, Chenghua
;  TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Prc
;  FILE REFERENCE: DEX-0277
;  CURRENT APPLICATION NUMBER: US/10/001,835
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/249,997
;  PRIOR FILING DATE: 2000-11-20
;  NUMBER OF SEQ ID NOS: 228
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 116
;   LENGTH: 666
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-001-835-116

  Query Match             1.9%;  Score 50;  DB 9;  Length 666;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-15;
  Matches   50;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   2061 ACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 2110
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Db    213 ACCTCAGGTGATCCACCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGG 164


Search completed: April  1, 2003, 06:05:38
Job time : 2578 secs
```